

**Sixth International summer school in transplantation:  
Transplantex NG\* : Immunology and Genomic Medicine**  
\*Next Generation

JUNE 26, 2019  
09:00-12:00

**SESSION 1 : IMMUNOLOGY, HEMATOLOGY, AND HISTOCOMPATIBILITY**

Chairpersons : Catherine Paillard and Mirjana Radosavljevic

09h00-09h30: INTRODUCTION : **Seiamak Bahram** : « From Transplantex to Transplantex NG : from the MHC to the genome and back ! »

09h30-10h10: KEYNOTE **Pr Nicolas Boissel**, Hôpital Saint-Louis, APHP, Paris  
« CAR-T in hematological malignancies : an update »

10h10-10h40: **Dr Torsten Houwaart**, Dusseldorf University  
« Assembling the MHC with hybrid data »

10h40-11h10 : **Dr Alexander Dilthey**, Dusseldorf University  
« Large-scale human population genomics with Nanopore sequencing and Population Reference Graphs »

11h10-11h40: - Coffee Break -

11h40-12h10: **Dr Katia Gagne**, Nantes University  
« KIR and HLA-C polymorphisms in hematopoietic cell transplantation »

12h10- 14h00: -Lunch buffet -

JUNE 26, 2019  
14:00-17:30

**SESSION 2 : TRANSLATIONAL MEDICINE, FRANCO-JAPANESE, EUCOR AND INTERNATIONAL INITIATIVES**

Chairpersons : Seiamak Bahram and Thierry Martin

14h00-14h40: KEYNOTE **Pr Toru Miyazaki**, Tokyo University  
« Impact of circulating AIM on self-pathogen removal and kidney homeostasis »

14h40-15h10: **Dr Marta Rizzi**, Freiburg University  
« Outcome of HSCT in primary antibody deficiency »

15h10-15h40: **Dr Satoko Arai**, Tokyo University  
« A crucial role for AIM in the development of IgA nephropathy via the glomerular immune-complex formation containing pathogenic IgA »

15h40-16h10: - Coffee Break -

16h10-16h40: **Pr Stephan Bluml**, Rheumatology Department Vienna Medical University, Austria  
« MiR-146a and the control of local and systemic bone loss »

16h40-17h10: **Dr Nuala Mooney**, Hôpital St-Louis, Paris,  
« Endothelial cells under duress : altered regulation of the alloimmune response »

JUNE 27, 2019  
09:00-12:25

**SESSION 3 : TEACHING SESSION : PRIMER IN IMMUNOLOGY, GENETICS AND AUTOIMMUNITY**

Chairpersons : Sylvie Fournel and Pauline Soulas-Sprauel

9h00-9h40: KEYNOTE: **Pr Marie-Frédérique Bacqué and Dr Olivier Putois**, Faculté de Psychologie, Strasbourg  
« Enjeux psychologiques de la prise en charge des maladies auto-immunes: perspectives de recherche »

09h40-10h00: **Pr. Philippe Georgel**, INSERM UMR\_S 1109, « An introduction to Neuroimmunology »

10h00-10h20: **Dr Frédéric Gros**, INSERM UMR\_S 1109, « Toll-like receptor deficiencies »

10h20-10h40: **Pr. Pauline Soulas-Sprauel**, INSERM UMR\_S 1109: « Cancer Immunotherapy »

10h40-11h00: Coffee Break

11h00-11h15: **Dr Kirsley Chennen**, iCUBE and IGBMC : « An ensemble approach to predict disease-relevant missense variants with low degree of uncertainty »

11h15-11h45: **Pr Dominique Charron**, Strasbourg University  
« Immunogenetics Towards Precision Medicine »

11h45-12h25: KEYNOTE : **Pr Nassim Kamar**, Département de Néphrologie et Transplantation d'Organes, CHU Rangueil,  
« Hépatite E in transplanted patients »

12h25-14h00: Lunch buffet

JUNE 27, 2019  
14:00-17:30

**SESSION 4 : BIG DATA AND ARTIFICIAL INTELLIGENCE IN PRECISION MEDICINE**

Chairpersons : Raphael Carapito and Myriam Maumy

14h00-14h40: KEYNOTE **Pr Arash Rafii**, Weill Cornell Medical College, Qatar and New York  
« Augmented medicine in the Era of artificial intelligence »

14h40-15h10: **Dr Olivier Poch**, iCUBE, Strasbourg  
« OMICs and Big Data exploitation in rare genetics diseases: Application to ciliopathies »

15h10-15h40: **Dr Bruno Kieffer**, IGBMC, Illkirch  
« Variants of prostate cancer androgen receptors: lessons from genome-wide studies »

15h40-16h00: -Coffee Break-

16h00-16h30: **Dr Nicolas Servant**, Institut Curie, Paris  
« Bioinformatics for precision medicine at Institut Curie »

16h30-17h00: **Dr Willy Rodriguez**, Toulouse Mathematics Institute  
« ABC-based methods for parameter estimation: Application to population genetics »

17h00-17h30: **Dr Nacho Molina**, IGBMC, Illkirch  
« Stochastic Systems Biology of Gene Regulation »

## Sixth International summer school in transplantation: Transplantex NG\* : Immunology and Genomic Medicine

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JUNE 28, 2019  
09:00-12:00  
SESSION 5 : SOLID ORGAN TRANSPLANTATION SESSION

Chairpersons : *Sophie Caillard and Fabien Thaveau*

9h00-9h40: KEYNOTE : **Pr Denis Glotz**, St Louis Hospital, Paris  
« DSA: all antibodies are not born equal! »

9h40-10h10: **Pr Walter Land**, INSERM UMR\_S 1109, Strasbourg University  
« Role of SAMPs in Inflammation and Immunity »

10h10-10h40: **Dr Raphaël Carapito**, Strasbourg University  
« Role of MICA in kidney transplantation »

*10h40-11h00: - Coffee Break -*

11h00-11h30: **Dr Pierre-Louis Tharaux**, PARCC, Hôpital European Georges Pompidou  
« Stress without Failure: towards promotion of glomerular tolerance to immune and hemodynamic injuries »

11h30-12h00: **Pr Olivier Thauvat**, CHU Lyon  
« Missing self triggers NK cell-mediated chronic vascular rejection of solid organ transplants »

*12h00- 14h00: - Lunch buffet -*

JUNE 28, 2019  
14:00-17:30  
SESSION 6 : IMMUNOLOGY, CLINICAL GENETICS AND  
GENOMIC MEDICINE

Chairpersons : *Seiamak Bahram and Raphael Carapito*

14h00-14h40: KEYNOTE **Pr Christian Münz**, Zurich University  
« Regulation of MHC restricted antigen presentation by autophagy proteins »

14h40-15h10: **Pr Bodo Griebner**, Freiburg University  
« The role of Th17 cells in the host defence to candida »

15h10-15h40: **Pr Caroline Schluth-Bolard**, CHU Lyon  
« Unravelling structural chromosomal rearrangements by whole genome sequencing in patients with developmental disorders »

*15h40-16h00: - Coffee Break -*

16h00-16h30: **Pr Christel Thauvin-Robinet**, CHU Dijon  
« Séquençage haut débit de nouvelle génération en recherche translationnelle et diagnostic de la déficience intellectuelle et des anomalies du développement »

16h30-17h00: **Dr Juliette Godin**, IGBMC, Illkirch  
« Pleiotropic activities of the (atypical ?) kinesin KIF21B during cortical development »

17h00-17h30: **Pr Satoru Joshita**, Shinshu University  
« Genetics and epigenetics in the pathogenesis of primary biliary cholangitis and newly recognized biomarkers for evaluating disease status »